

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKFL242A
Product Name	Sikafloor 2420 Part A
Product Description	2-component solvented epoxy resin based protective coating for floors and walls.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTSPreparation - Hazardous ingredients (Europe)

Component		Concentration	Classification	Risk Phrases
1) Epoxy resin (No.Av. mol.wt. < 700)	25068-38-6	10.00% - 25.00%	Xi, N	R36/38, R43, R51/53
2) Xylene	1330-20-7	25.00% - 50.00%	Xn	R10, R20/21, R38
3) Benzyl Alcohol	100-51-6	10.00% - 25.00%	Xn	R20/22
4) Ethyl benzene	100-41-4	10.00% - 25.00%	F, Xn	R11, R20
5) 4-methylpentan-2-one	108-10-1	2.50% - 10.00%	F, Xn	R11, R20, R36/37, R66

HAZARD IDENTIFICATION

Main Hazards	Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	Remove from exposure. Obtain medical attention.

FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Dry sand may be used on small fires.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Combustion will produce smoke, carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up Methods Spillages

Try to prevent the material from entering drains or water courses.

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

HANDLING AND STORAGE

Handling

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Use in well ventilated area. Avoid inhaling vapour.

Avoid contact with eyes, skin and clothing.

Storage

Storage area should be: cool. dry. well ventilated. out of direct sunlight.

Store away from sources of heat or ignition.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

1) Xylene

UK EH40: OES 50ppm (220mg/m³) 8h TWA.

2) 4-methylpentan-2-one

UK EH40: OES 100ppm (441mg/m³) 15min STEL

UK EH40: OES 50ppm (208mg/m³) 8h TWA.

3) Ethyl benzene

UK EH40: OES 100ppm (416mg/m³) 15min STEL

UK EH40: OES 100ppm (441mg/m³) 8h TWA.

UK EH40: OES 125ppm (552mg/m³) 15min STEL

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits.

Respiratory protection if there is a risk of exposure to high vapour concentrations.

Hand Protection

Wear suitable impervious gloves. (butyl / nitrile type)

Eye Protection

Chemical goggles.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid.

Color

Clear.

Odor

Aromatic.

Flash Point °C

26

Solubility - Water

Immiscible.

Density (kg/m³)

Approx. 950 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Contains volatile solvent.

Sources of ignition.

Extremes of temperature.

Hazardous Decomposition Products

Combustion will generate: oxides of carbon. acrid smoke and irritating fumes.



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TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content.
<i>Sensitization - Skin</i>	The low molecular weight epoxy resin is a potential skin sensitiser.

ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is insoluble in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	This material is harmful to aquatic organisms.

DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

TRANSPORT INFORMATION

<i>UN : UN number</i>	1263
<i>UN : Proper shipping name</i>	Paint
<i>UN : Class</i>	3.3
<i>UN : Packing Group</i>	3
<i>ADR/RID Substance Identification Number</i>	1263
<i>ADR/RID Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID Class</i>	3
<i>ADR/RID Item Number</i>	31c
<i>ADR/RID Hazard Identification Number</i>	30
<i>IMDG : Proper shipping name</i>	Paint.
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	3.3
<i>IMDG : Ems Number</i>	3-05
<i>IATA : Proper shipping name</i>	Paint.
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	3



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Sikafloor 2420 Part A

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REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to eyes and skin.
May cause sensitisation by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Avoid contact with skin.
If swallowed seek medical advice immediately and show this container or label.
Use only in well ventilated areas.
Wear suitable protective clothing, gloves and eye/face protection.
Do not empty into drains.

Safety Phrases

Contains epoxy constituents. See information supplied by the manufacturer.

OTHER INFORMATION

First Issue Date

10.11.1997

Revisions Highlighted

Hazards Identification
Exposure controls/personal protection
Regulatory Information

Uses and Restrictions

Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
Chemicals (Hazard Information and Packaging) Regulations, 2002.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No. 972/1996: The Special Waste Regulations 1996
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications

General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.

Footnote

The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKFL242B
Product Name	Sikafloor 2420 Part B
Product Description	2-component solvented epoxy resin based protective coating for floors and walls.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTSPreparation - Hazardous ingredients (Europe)

Component		Concentration	Classification	Risk Phrases
1) Xylene	1330-20-7	25.00% - 25.00%	Xn	R10, R20/21, R38
2) Ethyl benzene	100-41-4	10.00% - 25.00%	F, Xn	R11, R20
3) Butan-1-ol	71-36-3	2.5% - 10.00%	Xn	R10, R22, R37/38, R41, R67
4) N-(3-(Trimethoxysilyl)propyl) ethylenediamine	1760-24-3	1.00% - 2.50%	Xi	R36/38, R43

HAZARD IDENTIFICATION

Main Hazards	Flammable. Irritating to skin. Harmful by inhalation and in contact with skin. May cause sensitization by skin contact. Risk of serious damage to eyes.
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FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	Remove from exposure. Obtain medical attention.

FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Dry sand may be used on small fires.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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Sikafloor 2420 Part B

Date of issue - 15/04/2002.

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ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up Methods Spillages

Try to prevent the material from entering drains or water courses.

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

HANDLING AND STORAGE

Handling

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Use in well ventilated area. Avoid inhaling vapour.

Avoid contact with eyes, skin and clothing.

Storage

Storage area should be: cool. dry. well ventilated. out of direct sunlight.

Store away from sources of heat or ignition.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

1) Xylene

UK EH40: OES 50ppm (220mg/m³) 8h TWA.

2) Ethyl benzene

UK EH40: OES 100ppm (441mg/m³) 15min STEL

UK EH40: OES 100ppm (441mg/m³) 8h TWA.

3) Butan-1-ol

UK EH40: OES 125ppm (552mg/m³) 15min STEL

UK EH40: OES 50ppm (154mg/m³) 15min STEL

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits.

Respiratory protection if there is a risk of exposure to high vapour concentrations.

Hand Protection

Wear suitable impervious gloves. (butyl / nitrile type)

Eye Protection

Chemical goggles.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid.

Color

Amber.

Odor

Amine like.

Flash Point °C

23

Solubility - Water

Emulsifies.

Density (kg/m³)

Approx. 900 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Contains volatile solvent.

Sources of ignition.

Extremes of temperature.

Hazardous Decomposition Products

Combustion will generate: oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.



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Sikafloor 2420 Part B

Date of issue - 15/04/2002.

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TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content. May cause allergic reactions to certain individuals.

ECOLOGICAL INFORMATION

<i>Mobility</i>	A major part of the product will dissolve slowly in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

TRANSPORT INFORMATION

<i>UN :</i>	<i>UN number</i>	1263
<i>UN :</i>	<i>Proper shipping name</i>	Paint
<i>UN :</i>	<i>Class</i>	3.3
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID</i>	<i>Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID</i>	<i>Class</i>	3
<i>ADR/RID</i>	<i>Item Number</i>	31c
<i>ADR/RID</i>	<i>Hazard Identification Number</i>	30
<i>IMDG :</i>	<i>Proper shipping name</i>	Paint.
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	3.3
<i>IMDG :</i>	<i>Ems Number</i>	3-05
<i>IATA :</i>	<i>Proper shipping name</i>	Paint.
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	3

REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.
May cause sensitization by skin contact.
Risk of serious damage to eyes.



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Sikafloor 2420 Part B

Date of issue - 15/04/2002.

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Safety Phrases

Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear eye/face protection.
Wear suitable protective clothing and gloves.
Use only in well-ventilated areas.

OTHER INFORMATION

First Issue Date

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Revisions Highlighted

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